

MEANS OF EGRESS COMPONENTS

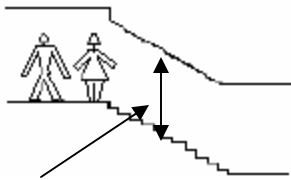
Circular stairs, winding stairs, and spiral stairs, are allowable as egress elements in limited use, primarily in residential occupancies.

TREAD is the horizontal member of a step.

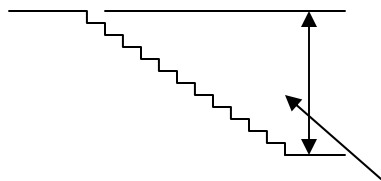
TREAD DEPTH is the horizontal distance from front to back of the tread, including nosing when used.

TREAD RUN is the horizontal distance from the leading edge of a tread to the leading edge of an adjacent tread.

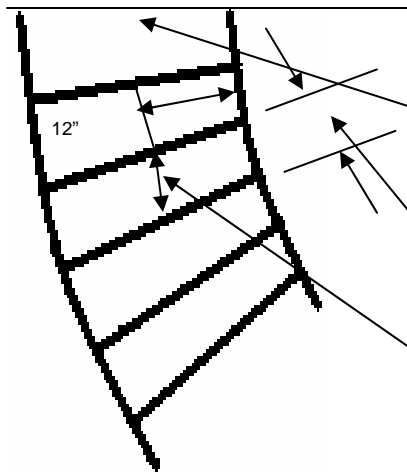
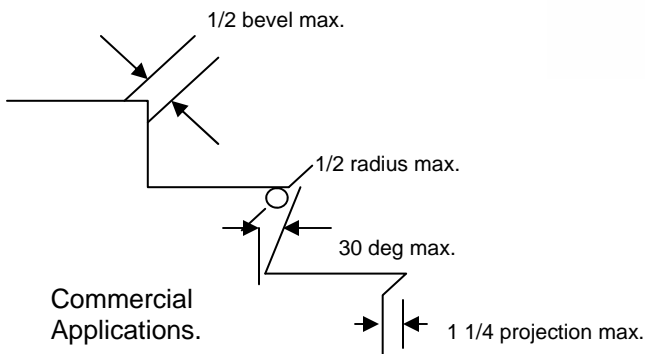
Spiral stairs have a specific provisions relating stair tread width to the diameter of the stairway. They may be used as a component of a means of egress only within residences or in spaces not more than 250 square feet in area and not serving more than 5 occupants.



1009.2 Stairs must have at least 80 inches headroom height. At any point.



1009.6 Any single flight of stairs may not exceed 12 feet in vertical rise between floors or landings.



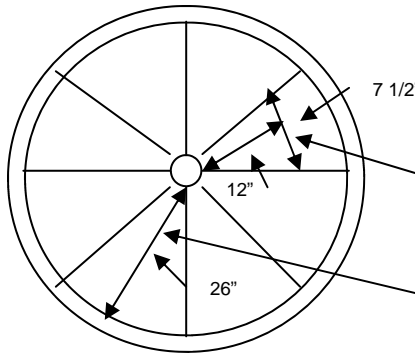
Circular stairs may be part of a means of egress system when they comply with the following dimensional requirements. The treads and risers of circular stairs must comply with 1009.3

The smaller radius of a circular stairway must be no less than twice the width of the stairway.

The treads of a circular stairway shall be no less than 10" at the narrow end.

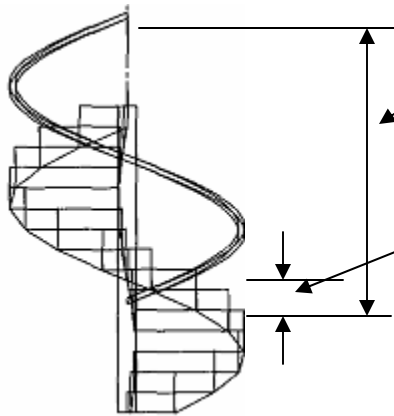
Not less than 11" when measured at a point 12" from the narrower end of the tread.

In residential occupancies, the treads may be no less than 6" at the narrow end.

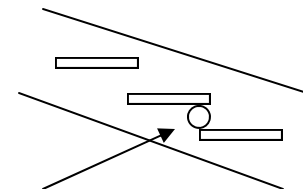


The treads of a spiral stair shall be no less than 7 1/2 inches at a point 12 inches from the narrow end.

The minimum width of a spiral stairway is 26".



The risers of a spiral stair shall have a height sufficient to provide a minimum headroom of 78", but in no case should they be more than 9 1/2 " in height.



Where open risers are allowed on Non-accessible egress paths, the opening must not allow a sphere 4" in diameter to pass through.